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 NEWS 25  AUG 25  CA/CAplus, CASREACT, and IFI and USPAT databases
                  enhanced for more flexible patent number searching
 NEWS 26  AUG 27  CAS definition of basic patents expanded to ensure
                  comprehensive access to substance and sequence
                  information

 NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
              AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

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 NEWS LOGIN     Welcome Banner and News Items
 NEWS IPC8      For general information regarding STN implementation of IPC 8

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FILE 'HOME' ENTERED AT 11:56:51 ON 29 AUG 2008

=> file caplus
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FILE 'CAPLUS' ENTERED AT 11:57:08 ON 29 AUG 2008
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FILE LAST UPDATED: 28 Aug 2008  (20080828/ED)

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http://www.cas.org/legal/infopolicy.html

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L1 STRUCTURE UPLOADED

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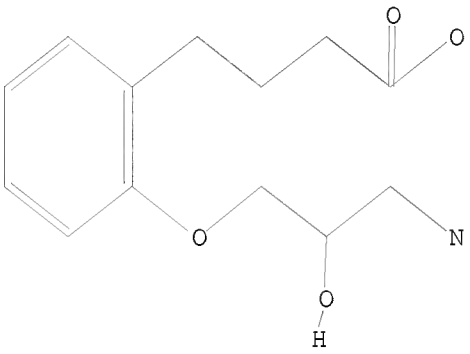

Structure attributes must be viewed using STN Express query preparation.

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FULL SEARCH INITIATED 11:57:34 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1083 TO ITERATE

100.0% PROCESSED 1083 ITERATIONS 12 ANSWERS
SEARCH TIME: 00.00.01

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L3 6 L2

=> d 1-6 ibib abs hitstr

L3 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:902849 CAPLUS
DOCUMENT NUMBER: 143:229575
TITLE: Preparation of amino-hydroxy-functionalized-aromatic carboxy compounds as calcilytic compounds useful

against bone and mineral diseases

INVENTOR(S): Marquis, Robert W., Jr.; Ramanjulu, Joshi M.
PATENT ASSIGNEE(S): Smithkline Beecham Corporation, USA

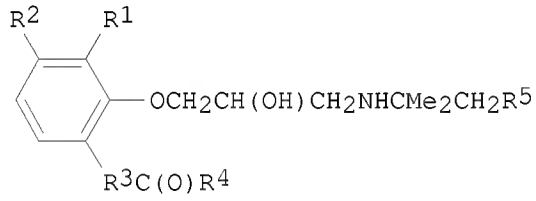
SOURCE: PCT Int. Appl., 29 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005077892	A1	20050825	WO 2005-US3499	20050204
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1713767	A1	20061025	EP 2005-712810	20050204
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR, IS				
JP 2007523076	T	20070816	JP 2006-552249	20050204

PRIORITY APPLN. INFO.: US 2004-542554P P 20040206
WO 2005-US3499 W 20050204

OTHER SOURCE(S): CASREACT 143:229575; MARPAT 143:229575

GI



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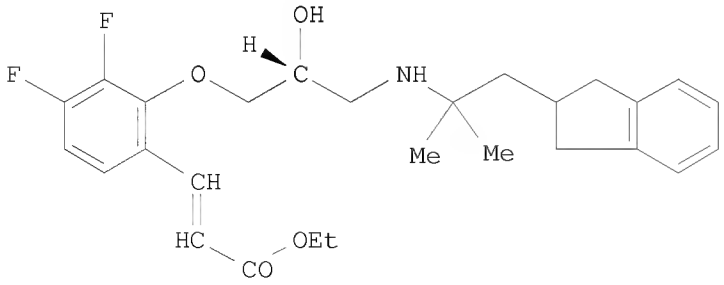


II

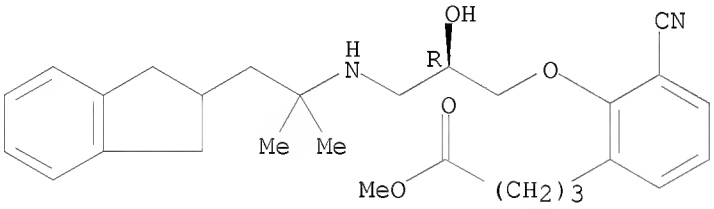
AB Novel calcilytic compds. (inhibitors of Ca receptor activity) (shown as I; R1 = H, CN, and halogen; R2 = H, halogen, CN, NO2, and SO2R4; R3 = (un)substituted C0-6 alkyl, and C0-6 alkenyl; R4 = OH, (un)substituted OC1-7alkyl; NH2, and NHR4; R5 = aryl, fused aryl, dihydro, tetrahydro fused aryl, and heteroaryl, (un)substituted with OH, halogen, C1-4 alkyl, C1-4 alkoxy, CF3, OCF3, CN and NO; e.g. (E)-3-[3,4-difluoro-2-[[(R)-2-hydroxy-3-[[2-(indan-2-yl)-1,1-dimethylethyl]amino]propyl]oxy]phenyl]-2-propenoic acid Et ester (shown as II)) and methods of using them are provided. No data is provided for the calcilytic activity of I. Although the methods of preparation are not claimed, 13 example prepns. are included. For example, II was prepared in 4 steps (18, 87, 80, and 82 % yields) starting with bromination of 2,3-difluorophenol and involving intermediates 6-bromo-2,3-difluorophenol, (R)-2-[(6-bromo-2,3-difluorophenoxy)methyl]oxirane, and (R)-1-(6-bromo-2,3-difluorophenoxy)-3-[[2-(indan-2-yl)-1,1-dimethylethyl]amino]propan-2-ol.

IT 862992-99-2P, 4-[3-Cyano-2-[[(R)-2-hydroxy-3-[[2-(indan-2-yl)-1,1-dimethylethyl]amino]propyl]oxy]phenyl]butyric acid methyl ester
862993-00-8P, 4-[3-Cyano-2-[[(R)-2-hydroxy-3-[[2-(indan-2-yl)-1,1-dimethylethyl]amino]propyl]oxy]phenyl]butyric acid hydrochloride
862993-07-5P, 4-[3-Cyano-2-[[(R)-2-hydroxy-3-[[2-(indan-2-yl)-1,1-dimethylethyl]amino]propyl]oxy]phenyl]butyric acid
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(drug candidate; preparation of amino-hydroxy-functionalized-aromatic carboxy
compds. as calcilytic compds. useful against bone and mineral diseases)

RN 862992-99-2 CAPLUS

CN Benzenebutanoic acid, 3-cyano-2-[(2R)-3-[[2-(2,3-dihydro-1H-inden-2-yl)-1,1-dimethylethyl]amino]-2-hydroxypropoxy]-, methyl ester (CA INDEX NAME)

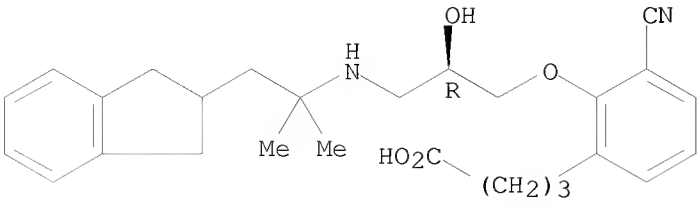
Absolute stereochemistry.



RN 862993-00-8 CAPLUS

CN Benzenebutanoic acid, 3-cyano-2-[(2R)-3-[[2-(2,3-dihydro-1H-inden-2-yl)-1,1-dimethylethyl]amino]-2-hydroxypropoxy]-, hydrochloride (1:1) (CA INDEX NAME)

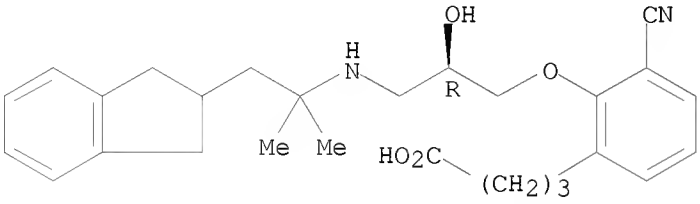
Absolute stereochemistry.



● HCl

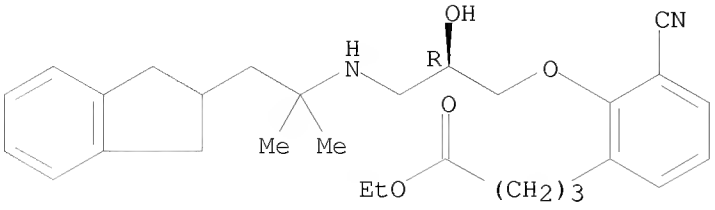
RN 862993-07-5 CAPLUS
CN Benzenebutanoic acid, 3-cyano-2-[(2R)-3-[[2-(2,3-dihydro-1H-inden-2-yl)-1,1-dimethylethyl]amino]-2-hydroxypropoxy]- (CA INDEX NAME)

Absolute stereochemistry.



IT 862993-01-9P, 4-[3-Cyano-2-[[(R)-2-hydroxy-3-[[2-(indan-2-yl)-1,1-dimethylethyl]amino]propyl]oxy]phenyl]butyric acid ethyl ester hydrochloride 862993-08-6P, 4-[3-Cyano-2-[[(R)-2-hydroxy-3-[[2-(indan-2-yl)-1,1-dimethylethyl]amino]propyl]oxy]phenyl]butyric acid ethyl ester
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of amino-hydroxy-functionalized-aromatic carboxy
compds. as calcilytic compds. useful against bone and mineral diseases)
RN 862993-01-9 CAPLUS
CN Benzenebutanoic acid, 3-cyano-2-[(2R)-3-[[2-(2,3-dihydro-1H-inden-2-yl)-1,1-dimethylethyl]amino]-2-hydroxypropoxy]-, ethyl ester, hydrochloride (1:1) (CA INDEX NAME)

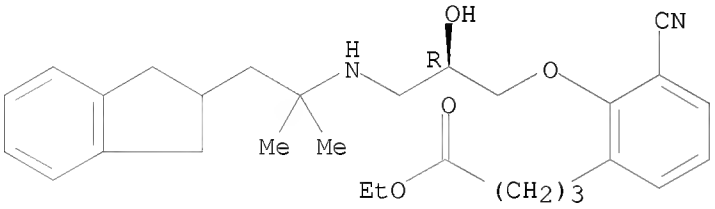
Absolute stereochemistry.



● HCl

RN 862993-08-6 CAPLUS
CN Benzenebutanoic acid, 3-cyano-2-[(2R)-3-[[2-(2,3-dihydro-1H-inden-2-yl)-1,1-dimethylethyl]amino]-2-hydroxypropoxy]-, ethyl ester (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1986:515008 CAPLUS
DOCUMENT NUMBER: 105:115008
ORIGINAL REFERENCE NO.: 105:18619a,18622a
TITLE: Syntheses of carbon-14-labeled prizidilol dihydrochloride
AUTHOR(S): Saunders, D.; Warrington, B. H.
CORPORATE SOURCE: Smith Kline and French Res. Ltd., Welwyn/Hertfordshire, AL6 9AR, UK
SOURCE: Journal of Labelled Compounds and Radiopharmaceuticals (1985), 22(9), 869-81
CODEN: JLCRD4; ISSN: 0362-4803
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 105:115008
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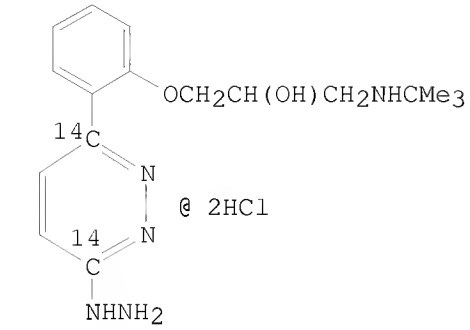

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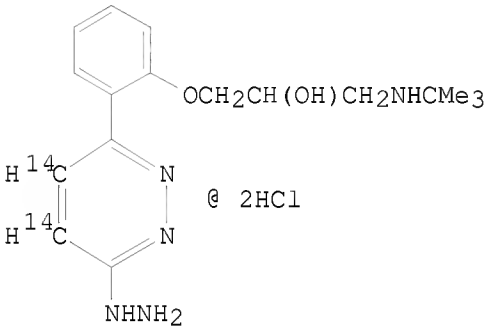


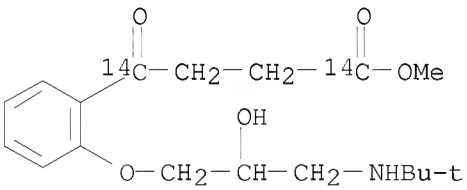
II

AB Two syntheses of radiolabeled prizidilol-2HCl are described. A ten-stage synthesis gave [3,6-14C2]prizidilol-2HCl I in an overall yield of 0.91%. A later, alternative procedure led to [4,5-14C2]prizidilol-2HCl II with an overall radiochem. yield of 8%.

IT 103913-02-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as intermediate for carbon-14-labeled prizidilol dihydrochloride)

RN 103913-02-6 CAPLUS

CN Benzenebutanoic-carboxy,γ-14C2 acid, 2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-γ-oxo-, methyl ester (9CI) (CA INDEX NAME)



L3 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1978:152654 CAPLUS
DOCUMENT NUMBER: 88:152654
ORIGINAL REFERENCE NO.: 88:24065a,24068a
TITLE: Dihydropyridazinones
INVENTOR(S): Coates, William John; Roe, Anthony Maitland; Slater,

Robert Antony
PATENT ASSIGNEE(S): Smith Kline and French Laboratories Ltd., UK
SOURCE: Brit., 25 pp.
CODEN: BRXXAA
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 1488330	A	19771012	GB 1973-58726	19731219
ZA 7407462	A	19751231	ZA 1974-7462	19741121
AU 7475724	A	19760527	AU 1974-75724	19741125
CA 1033733	A1	19780627	CA 1974-214774	19741127
IL 46158	A	19780831	IL 1974-46158	19741129
DK 7406340	A	19750825	DK 1974-6340	19741205
DK 142870	B	19810216		
DK 142870	C	19810921		
BE 823103	A1	19750609	BE 1974-151287	19741209
FI 7403569	A	19750620	FI 1974-3569	19741211
US 3931177	A	19760106	US 1974-531957	19741212
SE 7415691	A	19750623	SE 1974-15691	19741213
SE 411666	B	19800514		
SE 413405	C	19800911		
DE 2459468	A1	19750703	DE 1974-2459468	19741216
FR 2255070	A1	19750718	FR 1974-41471	19741217
FR 2255070	B1	19790921		
CH 608794	A5	19790131	CH 1974-16775	19741217
JP 50093984	A	19750726	JP 1974-146279	19741218
HU 170633	B	19770728	HU 1974-SI1445	19741218
SU 578872	A3	19771030	SU 1974-2088301	19741218
NL 7416578	A	19750623	NL 1974-16578	19741219
ES 433135	A1	19761116	ES 1974-433135	19741219

PRIORITY APPLN. INFO.: GB 1973-58726 A 19731219
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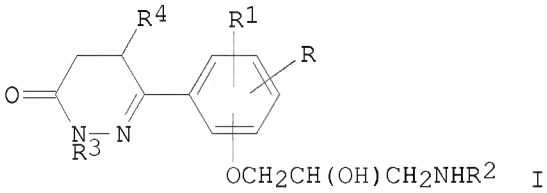


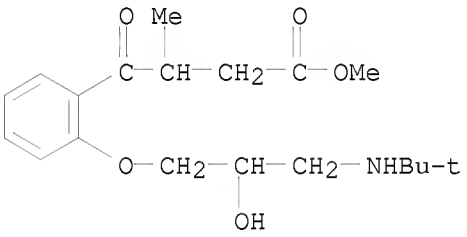
I

AB Forty title compds. I [R = H, alkyl, alkenyl, CF3, halo, cyano, NO2, OH, alkoxy, alkenyloxy, NH2, substituted amino; R1 = H, Me; R2 = Me2CH, Me3C; RR1 = benzo; R3 and R4 (same or different) are H or Me] and their salts, useful as β-adrenergic blocking agents and antihypertensives (no data) were prepared Any I were prepared from RR1(HO)C6H2COCHR4CH2COR5 (R5 = OH, NH2, alkoxy, alkylamino) by treatment with an epihalohydrin, R2NH2,

and N2N4 or MeNHNH2. Thus, 6-[4-(2-hydroxy-3-isopropylaminopropoxy)phenyl]-4,5-dihydro-3(2H)-pyridazinone was prepared from 4-HOC6H4CO(CH2)2CONHMe by sequential treatment with epichlorohydrin, Me2CHNH2, and N2N4.

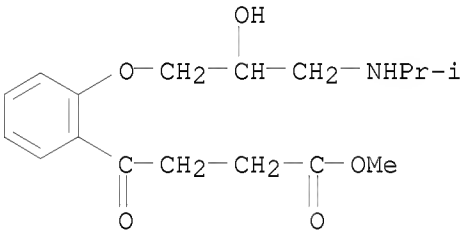
IT 59010-65-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclocondensation of, with hydrazine)

RN 59010-65-0 CAPLUS
CN Benzenebutanoic acid, 2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-β-methyl-γ-oxo-, methyl ester (CA INDEX NAME)

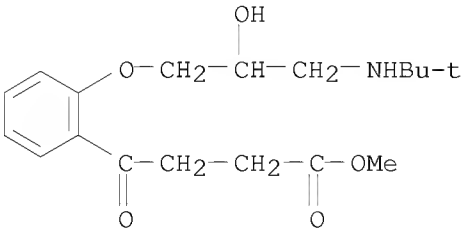


IT 56871-95-5P 56871-97-7P 56872-58-3P
59010-52-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as intermediate in aryldihydropyridazinone preparation)

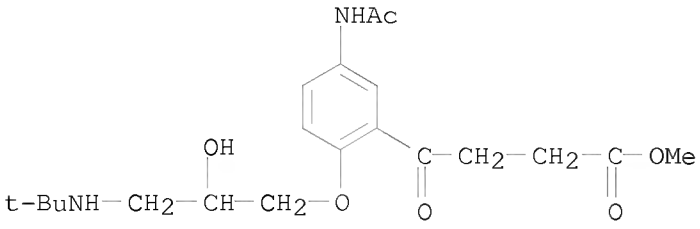
RN 56871-95-5 CAPLUS
CN Benzenebutanoic acid, 2-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]-γ-oxo-, methyl ester (CA INDEX NAME)



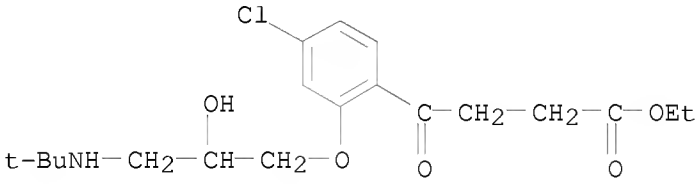
RN 56871-97-7 CAPLUS
CN Benzenebutanoic acid, 2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-γ-oxo-, methyl ester (CA INDEX NAME)



RN 56872-58-3 CAPLUS
CN Benzenebutanoic acid, 5-(acetylamino)-2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-γ-oxo-, methyl ester (CA INDEX NAME)



RN 59010-52-5 CAPLUS
CN Benzenebutanoic acid, 4-chloro-2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-γ-oxo-, ethyl ester (CA INDEX NAME)



L3 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1977:423316 CAPLUS
DOCUMENT NUMBER: 87:23316
ORIGINAL REFERENCE NO.: 87:3697a,3700a
TITLE: Pharmaceutical compositions and methods of inhibiting β-adrenergic receptors
INVENTOR(S): Coates, William John; Roe, Anthony Maitland; Slater, Robert Antony
PATENT ASSIGNEE(S): Smith Kline and French Laboratories Ltd., UK
SOURCE: U.S., 15 pp. Division of U.S. 3,931,177.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
US 4011321	A	19770308	US 1975-613601		19750915
US 3931177	A	19760106	US 1974-531957		19741212
PRIORITY APPLN. INFO.:			US 1974-531957	A3	19741212
			GB 1973-58726	A	19731219

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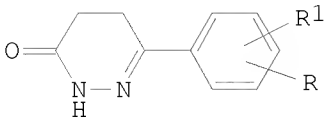

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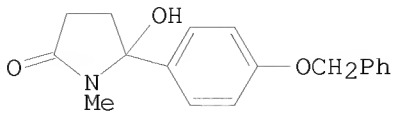


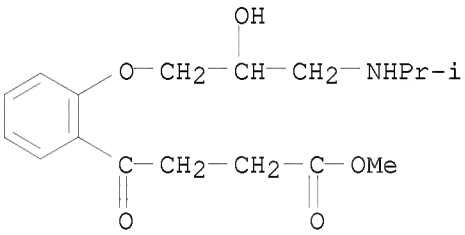
II

AB β-Sympatholytic and antihypertensive (no data) pyridazinones I [R = 2-, 3-, 4-OCH2CH(OH)CH2NHR2; R1 = 3-allyl, 3-Cl, H, 3-OMe, 4-Me, 3-NO2, 5-NHAc; R2 = CHMe2, CMe3] (13 compds.) were prepared In successive reactions, 4-PhCH2OC6H4Br was subjected to Grignard reaction with N-methylsuccinimide, II treated with HBr, 4-HOC6H4COCH2CH2CONHMe treated with epichlorohydrin and Me2CHNH2, and 4-Me2CHNHCH2CH(OH)CH2OC6H4COCH2CH2CONHMe treated with N2H4 to give I [R = 4-OCH2CH(OH)CH2NHCHMe2].

IT 56871-95-5P 56871-97-7P 56872-58-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclization of, with hydrazine)

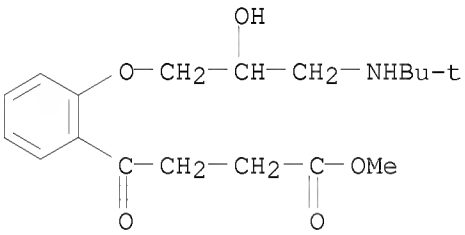
RN 56871-95-5 CAPLUS

CN Benzenebutanoic acid, 2-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]-γ-oxo-, methyl ester (CA INDEX NAME)



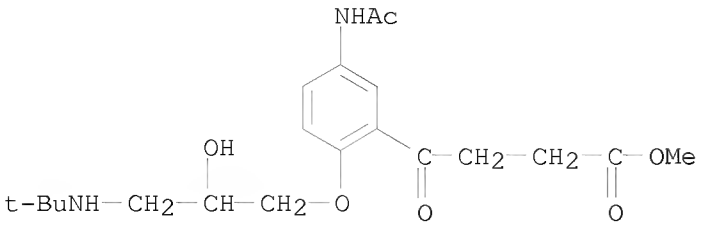
RN 56871-97-7 CAPLUS

CN Benzenebutanoic acid, 2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-γ-oxo-, methyl ester (CA INDEX NAME)



RN 56872-58-3 CAPLUS

CN Benzenebutanoic acid, 5-(acetylamino)-2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-γ-oxo-, methyl ester (CA INDEX NAME)



L3 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1976:164819 CAPLUS
DOCUMENT NUMBER: 84:164819
ORIGINAL REFERENCE NO.: 84:26766h,26767a
TITLE: 6-Hydrazinopyridazines
INVENTOR(S): Coates, William J.; Roe, Anthony M.; Slater, Robert A.; Taylor, Edwin Michael
PATENT ASSIGNEE(S): Smith Kline and French Laboratories Ltd., UK
SOURCE: Ger. Offen., 63 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

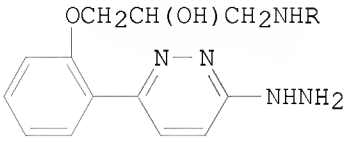
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2527066	A1	19760108	DE 1975-2527066	19750618
GB 1527712	A	19781011	GB 1974-26864	19740618
ZA 7503277	A	19760428	ZA 1975-3277	19750521
IL 47351	A	19800229	IL 1975-47351	19750526
AU 7581581	A	19761202	AU 1975-81581	19750527
DK 7502452	A	19751219	DK 1975-2452	19750530
DK 145099	B	19820830		
DK 145099	C	19830131		
US 4053601	A	19771011	US 1975-583379	19750603
BE 830158	A1	19751212	BE 1975-157265	19750612
CA 1067078	A1	19791127	CA 1975-229160	19750612
FI 7501790	A	19751219	FI 1975-1790	19750616
FI 62532	B	19820930		
FI 62532	C	19830110		
HU 175418	B	19800728	HU 1975-SI1472	19750616
SE 7506947	A	19751219	SE 1975-6947	19750617
SE 416650	B	19810126		
SE 416650	C	19810507		
JP 51013782	A	19760203	JP 1975-74260	19750617
CH 617429	A5	19800530	CH 1975-7871	19750617
NL 7507267	A	19751222	NL 1975-7267	19750618
FR 2275213	A1	19760116	FR 1975-19034	19750618
FR 2275213	B1	19790810		
ES 438685	A1	19770516	ES 1975-438685	19750618
SU 799661	A3	19810123	SU 1975-2145553	19750618
US 4111936	A	19780905	US 1977-816986	19770719
US 4111935	A	19780905	US 1977-816993	19770719
SU 862824	A3	19810907	SU 1978-2145553	19781222

PRIORITY APPLN. INFO.:

GB 1974-26864	A	19740618
GB 1975-20	A	19750102
GB 1975-2075	A	19750102
US 1975-583379	A2	19750603

OTHER SOURCE(S): MARPAT 84:164819

GI



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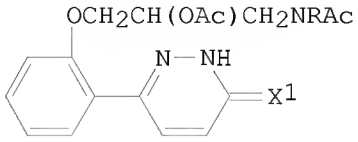
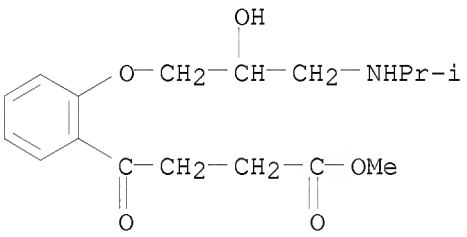


III

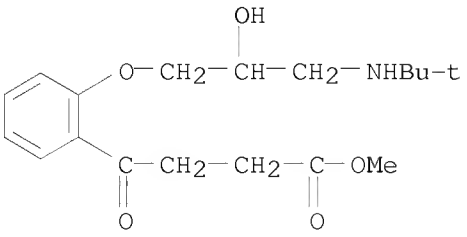
AB Vasodilating and β-sympatholytic (no data) hydrazinopyridazines I (R = CHMe2, CMe3) were prepared by esterifying 2-R1OC6H4CXCH2CH2COR2 (II, R1 = H, R2 = OH, X =O), treating II (R1 = H, R2 = OMe, X = O) with epibromohydrin, treating II (R1 = 2,3-epoxypropyl, R2 = OMe, X = O) with RNH2, and treating II (R1 = CH2CH(OH)CH2NHR, R2 = OMe, X = O) with N2H4, brominating-dehydrobrominating II (R1 = CH2CH(OH)CH2NHR, XR2 = NNHCO) in the presence of HOAc-Ac2O, treating the pyridazinones III (X1 = O) with P2S5, hydrolyzing III (X1 = S) and treating with N2H4.

IT 56871-95-5P 56871-97-7P 56872-58-3P
59010-52-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and condensation of, with hydrazine)

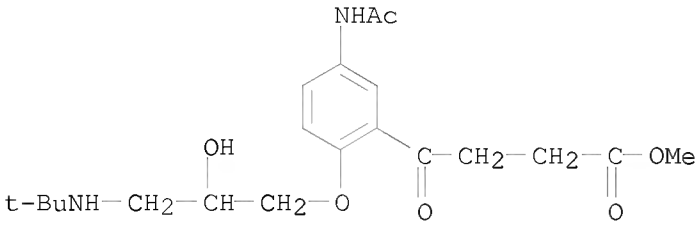
RN 56871-95-5 CAPLUS
CN Benzenebutanoic acid, 2-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]-γ-oxo-, methyl ester (CA INDEX NAME)



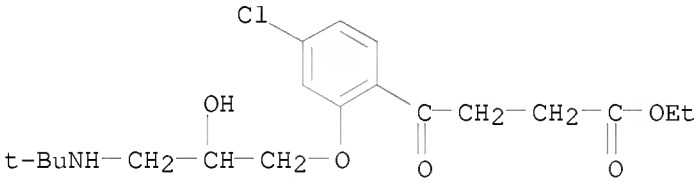
RN 56871-97-7 CAPLUS
CN Benzenebutanoic acid, 2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-γ-oxo-, methyl ester (CA INDEX NAME)



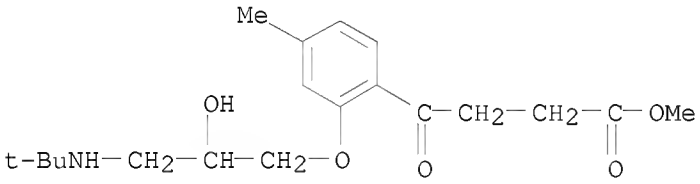
RN 56872-58-3 CAPLUS
CN Benzenebutanoic acid, 5-(acetylamino)-2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-γ-oxo-, methyl ester (CA INDEX NAME)



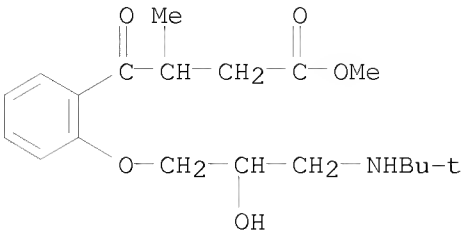
RN 59010-52-5 CAPLUS
CN Benzenebutanoic acid, 4-chloro-2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-γ-oxo-, ethyl ester (CA INDEX NAME)



IT 59010-49-0P 59010-65-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 59010-49-0 CAPLUS
CN Benzenebutanoic acid, 2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-4-methyl-γ-oxo-, methyl ester (CA INDEX NAME)



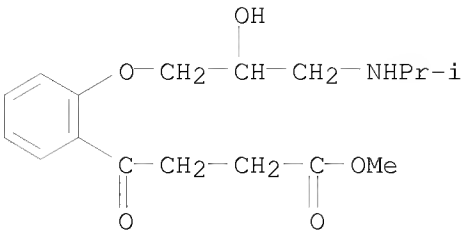
RN 59010-65-0 CAPLUS
CN Benzenebutanoic acid, 2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-β-methyl-γ-oxo-, methyl ester (CA INDEX NAME)



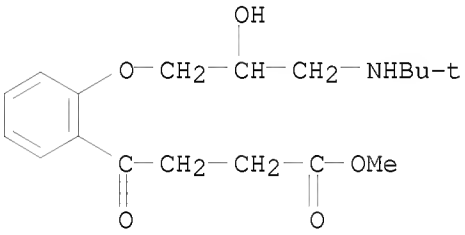
L3 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1975:564219 CAPLUS
DOCUMENT NUMBER: 83:164219
ORIGINAL REFERENCE NO.: 83:25775a,25778a
TITLE: Substituted aryldihydropyridazinones and their salts
INVENTOR(S): Coates, William J.; Roe, Anthony M.; Slater, Robert A.
PATENT ASSIGNEE(S): Smith Kline and French Laboratories Ltd., UK
SOURCE: Ger. Offen., 55 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 2459468	A1	19750703	DE 1974-2459468	19741216
GB 1488330	A	19771012	GB 1973-58726	19731219
PRIORITY APPLN. INFO.:			GB 1973-58726 A	19731219

GI For diagram(s), see printed CA Issue.
AB Antihypertensive and β-sympatholytic pyridazinones I (X = p-C6H4, o-C6H4, 1,4-naphthalenediyl, 4-R1C6H3-m, 3-R1C6H3-p, 2-HOC6H3-m, 5-AcNHC6H3-o; R = CHMe2, CMe3; R1 = allyl, Cl, OMe, Me, NO2) were prepared Thus N-methylsuccinimide was subjected to Grignard reaction with 4-PhCH2OC6H4Br, 2-(4-benzyloxyphenyl)-2-hydroxy-1-methyl-5-pyrrolidinone dehydrated and hydrolyzed to 4-HOC6H4COCH2CH2CONHMe, which was treated with epichlorohydrin to give 3-[4-(2,3-epoxypropoxy)benzyl]-N-methylpropionamide. Reaction of the epoxy compound with Me2CHNH2 gave 4-Me2CHNHCH2CH(OH)CH2OC6H4COCH2CH2CONHMe, which was cyclized with N2H4 to I (X = p-C6H4, R = CHMe2).
IT 56871-95-5P 56871-97-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and condensation of, with hydrazine)
RN 56871-95-5 CAPLUS
CN Benzenebutanoic acid, 2-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]-γ-oxo-, methyl ester (CA INDEX NAME)



RN 56871-97-7 CAPLUS
CN Benzenebutanoic acid, 2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-γ-oxo-, methyl ester (CA INDEX NAME)



IT 56872-58-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, with hydrazine)
RN 56872-58-3 CAPLUS
CN Benzenebutanoic acid, 5-(acetylamino)-2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-γ-oxo-, methyl ester (CA INDEX NAME)